

APPENDIX B08

INCIDENTAL PRECAST CONCRETE PRODUCER QUALITY CONTROL PLAN CHECKLIST

Instructions:

1. This checklist will be used by the Department during the evaluation of Quality Control (QC) Plans submitted by Incidental Precast Concrete Producers. The checklist may also be used as a guideline for creating a QC Plan to be submitted to the Department.
2. Refer to FDOT Standard Specifications Section 105 for more information regarding the submission of a Producer QC Plan. Requirements in the QC Plan Item column of the checklist are from Section 105 unless otherwise stated. MM indicates FDOT Materials Manual, followed by the appropriate section number.
3. The information section above the checklist is designed to record general production facility information. Producers may use it as a template for identifying information on the cover page of the QC Plan.

Company: _____ Tax ID: _____

Physical Address: _____ FDOT ID: _____

City: _____ State: _____ Zip Code: _____ County: _____

Decimal Latitude / Longitude Coordinates: _____ / _____

Mailing Address (if different from above): _____

City: _____ State: _____ Zip Code: _____ County: _____

Primary Contact: _____ Phone #: _____

Email Address: _____ Fax #: _____

QC Plan Date: _____

| QC Plan Item | Y/N | Pg. # |
|--|-----|-------|
| 1. Personnel | | |
| <i>A. Key Personnel List</i> | | |
| 1) On-site production and general manager (or equivalents), including work experience identified? (MM 8.2) | | |
| 2) Quality Control (QC) manager, technicians performing sampling, testing and inspection for both field and laboratory, including Technician Identification Numbers (TINs), and work experience identified? (MM 8.2) | | |
| <i>B. Qualifications</i> | | |
| 1) Copy of QC Manager Level II certification attached? | | |

| QC Plan Item | Y/N | Pg. # |
|--|-----|-------|
| 2) Copy of QC Inspector Level II certification(s) attached? | | |
| 3) Copy of QC Inspector Level I certification(s) attached? | | |
| 4) Copy of ACI Concrete Field Grade 1 certification(s) attached? | | |
| 5) Copy of ACI Concrete Strength Testing Technician certification(s) attached? | | |
| 6) Copy of CTQP Concrete Field Technician Level 1 certification(s) attached? | | |
| 7) Copy of Batch Plant Operator certification attached? | | |
| C. Level of Responsibility | | |
| 1) Roles and responsibilities of personnel involved in the quality control process identified? (MM 8.2) | | |
| 2. Raw Materials | | |
| A. Source | | |
| 1) Manufacturer of prestressing strand*, reinforcing steel, and other items incorporated into the work identified? | | |
| 2) Method for identifying reinforcing material LOTS described? (Section 450) | | |
| 3) Methods for tracking the placement and monetary value for minimal quantities of non-domestic steel and iron described? (MM 8.2) | | |
| 4) Methods and locations for segregating non-domestic and domestic steel and iron stockpiles described? (MM 8.2) | | |
| 5) Methods for identifying and cataloging finished products containing non-domestic steel and iron described? (MM 8.2) | | |

| QC Plan Item | Y/N | Pg. # |
|---|-----|-------|
| 6) An example delivery ticket with Buy America compliance statement and dollar amount of non-domestic steel and iron used in the finished products for each delivery included? (MM 8.2) | | |
| B. Certification | | |
| 1) Methods of verifying material certification compliance with the Specifications described? | | |
| C. Disposition of Failing Materials | | |
| 1) System for controlling non-conforming materials, including procedures for identification, isolation, and disposition described? | | |
| D. Storage | | |
| 1) Method for storing raw materials, including steel and strand* described? | | |
| 3. Plant and Production Requirements | | |
| A. Production Equipment | | |
| 1) Calibration and verification schedule for stressing equipment* and concrete lab/field testing equipment described? | | |
| B. Process Control System | | |
| 1) Method for fixing strands* and supporting reinforcing steel described? (Section 450, MM 8.2) | | |
| 2) For aluminum forms, information regarding the application of a protective barrier to minimize the natural reactivity between aluminum and fresh concrete included? (MM 8.2) | | |
| 3) Method of stressing and determining losses (live end and dead end slippage) described?* (Section 450) | | |
| 4) Method and frequency for the inspection of reinforcement, prestressing strand*, and accessories described? (Section 450, MM 8.2) | | |
| 5) Concrete placement method described? (MM 8.2) | | |
| 6) Method of curing described? (MM 8.2) | | |

| QC Plan Item | Y/N | Pg. # |
|---|-----|-------|
| 7) Method and frequency for inspecting form removal and detensioning procedures* described? (Section 450) | | |
| 8) Detensioning time limit included?* (Section 450) | | |
| 9) Method of stress transfer described? (Sequence/pattern used).* (Section 450) | | |
| 10) Method and frequency for the inspection of finished products described? (MM 8.2) | | |
| 11) Repetitive non-conformance corrective action plan included? (MM 8.2) | | |
| C. Loading and Shipping Control | | |
| 1) Description of method to prevent damage during handling, storing, and loading of finished products included? (MM 8.2) | | |
| D. Types of Products Generated | | |
| 1) The type of products that are generated for the Department listed and described? | | |
| 4. Other Requirements | | |
| A. Submittal of Certification | | |
| 1) Copy of notarized Material Certification letter provided to the Engineer at the beginning of each project, certifying that the plant will manufacture the products in accordance with the requirements set forth in the Contract Documents and the Producer QC Plan attached? (MM 8.2) | | |
| B. Statement of Compliance | | |
| 1) Statement of compliance with all quality requirements set forth by the Department in the Contract Documents and Department manuals included? | | |
| C. Statement of Quality | | |
| 1) Management statement of dedication to quality included? (MM 8.2) | | |
| D. Document Storage | | |

| QC Plan Item | Y/N | Pg. # |
|--|-----|-------|
| 1) Method of record keeping described, including material certifications, test reports, pre and post placement inspection reports, deficiencies found, record of tensioning operations, and the location of document storage to enable Department review? (MM 8.2) | | |
| 5. Final Manufactured Product – Plant Operations | | |
| A. Storage | | |
| 1) Description of Plant's area designated for storage of Department's products included? (MM 8.2) | | |
| 2) Method of storage, including separation of rejected and acceptable structures included? (MM 8.2) | | |
| 3) Methods of preventing segregation, contamination, degradation, and other damage included? (MM 8.2) | | |
| B. Disposition of Failing Materials | | |
| 1) Methods and measures for identifying and controlling non-complying products described? | | |
| 2) A copy of the plant's proposed repair methods for deficiencies included? (MM 8.2) | | |
| C. QC Stamp | | |
| 1) Copy of QC stamp included? (MM 8.2) | | |
| 2) Procedure for applying QC stamp, including statement that the Department-issued plant number will only be applied to FDOT projects, and point in time when applied to product included? (MM 8.2) | | |
| 6. Testing Laboratories | | |
| A. Approved testing laboratories identified? | | |
| 7. Department Inspection Access | | |
| A. Statement allowing Department access while Department representatives are at the production facility included? | | |

*Note: The items that relate to prestressing do not apply for plants that do not perform prestressing operations.

Last Updated: March 26, 2020